

Title (en)
STONE CORNER REMOVING MACHINE

Title (de)
VORRICHTUNG ZUM ABRUNDEN ODER KANTENBRECHEN VON STEINEN

Title (fr)
ARRONDISSEUSE D'ANGLES DE PIERRES

Publication
EP 0754529 A4 20000405 (EN)

Application
EP 95913337 A 19950322

Priority

- JP 9500551 W 19950322
- JP 511694 U 19940401
- JP 19200994 A 19940722

Abstract (en)
[origin: WO9526863A1] A stone corner removing machine serves to round corners of stone. The machine comprises a cylindrical body (2) having at both end surfaces thereof a charge port and a discharge port and adapted for rotational movement, a partition (3) dividing an interior of the cylindrical body (2) into a charge port side zone (2a) and a discharge port side zone (2b) and having a particle size adjusting gate (32) at a boundary with an inner wall surface of the cylindrical body (2), which gate permits only stone of a predetermined diameter or less to selectively pass therethrough, and a multiplicity of feed vanes (24) fixed to at least the inner wall of the charge port side zone of the cylindrical body (2) so as to protrude inward. During rotation, stone is cleared of corners thereof to be rounded while small stone, stone powder and waste stone pass through the particle size adjusting gate (32), so that the processing is enhanced in efficiency. If a trommel (9) is connected to the discharge port of the cylindrical body (2), it becomes possible to select stone or the like having passed through the discharge port.

IPC 1-7
B28D 1/30; **B24B 31/00**

IPC 8 full level
B28D 1/12 (2006.01); **B28D 1/30** (2006.01)

CPC (source: EP US)
B28D 1/008 (2013.01 - EP US); **B28D 1/30** (2013.01 - EP US)

Citation (search report)

- [A] DE 3931987 A1 19910404 - INTERTHAL ARNO [DE], et al
- [A] US 3218038 A 19651116 - CHADBourNE WILLIAM H, et al
- [A] US 3459380 A 19690805 - KARTMAN HELGE CARL CHRISTIAN
- [A] US 2160169 A 19390530 - CARL PONTOPPIDAN
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 065 (M - 066) 30 April 1981 (1981-04-30)
- See references of WO 9526863A1

Cited by
EP1775069A1; WO2009067967A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI

DOCDB simple family (publication)
WO 9526863 A1 19951012; AU 2083095 A 19951023; AU 692244 B2 19980604; CN 1144501 A 19970305; EP 0754529 A1 19970122; EP 0754529 A4 20000405; KR 0180860 B1 19990218; US 5779527 A 19980714

DOCDB simple family (application)
JP 9500551 W 19950322; AU 2083095 A 19950322; CN 95192313 A 19950322; EP 95913337 A 19950322; KR 19960705076 A 19960913; US 71843296 A 19960930